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# Washington University Record, April 9, 2004

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# Record

April 9, 2004

Volume 28 No. 28

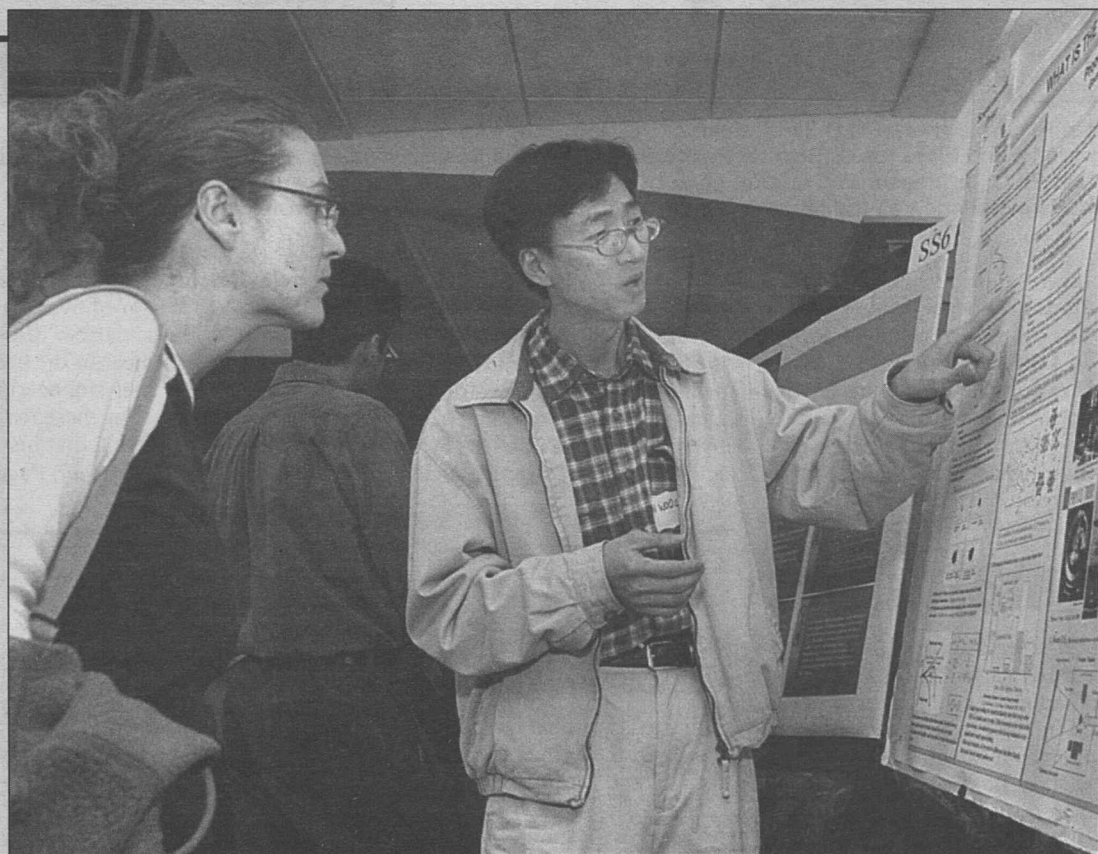
Treasuring the Past



Washington University in St. Louis

Shaping the Future

**Celebrating 150 Years**



**Share the knowledge** Sibel Kazak (left), a graduate student in the Department of Education in Arts & Sciences, examines the research presentation of Geun Woo Lee during the Graduate Student Research Symposium April 3 in Uncas A. Whitaker Hall for Biomedical Engineering. Lee, a graduate student in the Department of Physics in Arts & Sciences, presented his research on the local structure of liquid metals. The goal of the symposium was to allow graduate students to present their work in a manner accessible to a general audience. Fifty-eight students presented, and prizes were awarded to the top three exhibits in five categories.

## University computer scientist contributes to sequencing of laboratory rat genome

By TONY FITZPATRICK

A large team of researchers, including a University computer scientist, has effectively completed the genome sequence of the common laboratory brown rat, *Rattus norvegicus*.

This will make the third mammal to be sequenced, following the human and mouse.

The Rat Genome Sequencing Project Consortium was led by the Human Genome Sequencing Center at the Baylor College of Medicine, in conjunction with the National Heart, Lung, and Blood Institute and the National Human Genome Research Institute (NHGRI).

Michael R. Brent, Ph.D., associate professor of computer sci-

ence and engineering, contributed to the analysis of the gene set.

The consortium announced March 31 the generation and analysis of the genome sequence of the Brown Norway rat. The high quality 'draft' sequence covers more than 90 percent of the genome.

The primary results were presented in the April 1 issue of *Nature*, and an additional 30 manuscripts describing further detailed analyses are in the April issue of *Genome Research*.

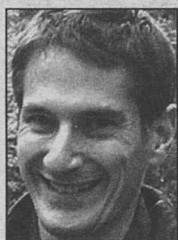
"This is an investment that is

destined to yield major payoffs in the fight against human disease," said National Institutes of Health Director Elias A. Zerhouni, M.D. "For nearly 200 years, the laboratory rat has played a valuable role in efforts to understand human biology and to develop new and better drugs.

"Now, armed with this sequencing data, a new generation of researchers will be able to greatly improve the utility of rat models and thereby improve human health."

The laboratory rat is an indispensable tool in experimental medicine and drug development and has made inestimable contributions to human health. The new data expand and consolidate

See Brent, Page 6



Brent

## Rankings have medical school, GWB at No. 2

By NEIL SCHOENHERR

The Washington University School of Medicine and the George Warren Brown School of Social Work are both ranked second in the nation, according to graduate and professional rankings released April 2 by *U.S. News & World Report* magazine.

The School of Medicine was tied for second in 2003 and has placed in the top 10 every year since the annual rankings began in 1987. It has ranked first in student selectivity — a measurement

of student quality based on Medical College Admission Test scores, undergraduate grade-point average and the proportion of applicants selected — since 1998.

In this year's overall standings, the medical school placed after Harvard University and was followed by Johns Hopkins University, Duke University and the University of Pennsylvania (tie), the University of California-San Francisco and the University of Michigan.

"We have a gifted, committed

See Rankings, Page 6

### This Week In WUSTL History

April 14, 1891

Robert S. Brookings was named to the WUSTL Board of Directors. Also, St. Louis Medical College was designated as the Medical Department of Washington University. St. Louis Medical College would later be renamed the Washington University School of Medicine.

April 15, 1993

James S. McDonnell Hall for the natural sciences was dedicated.

This feature will be included in each 2003-04 issue of the Record in observance of Washington University's 150th anniversary.

## Gallery of Art to be named for Kemper Groundbreaking April 14

By LIAM OTTEN

The first art museum west of the Mississippi River is getting a new name and a new, state-of-the-art building designed by one of the world's premier architects, thanks to a \$5 million gift from one of Missouri's most distinguished families, Chancellor Mark S. Wrighton announced today.

On April 14, the University will break ground on the Mildred Lane Kemper Art Museum, formerly the Washington University Gallery of Art. The 65,000-square-foot, limestone-clad structure — dedicated in honor of the late Mildred Lane Kemper — is one of two new buildings designed by Pritzker Prize-winning architect Fumihiko Maki as part of the \$56.8 million Sam Fox Arts Center.

Maki, who taught in the School of Architecture from 1956-1963, was recently selected to design the new United Nations building in New York and to work on one of five office towers at the former World Trade Center site.

The Sam Fox Arts Center is only his third project to break ground in the United States.

### More inside

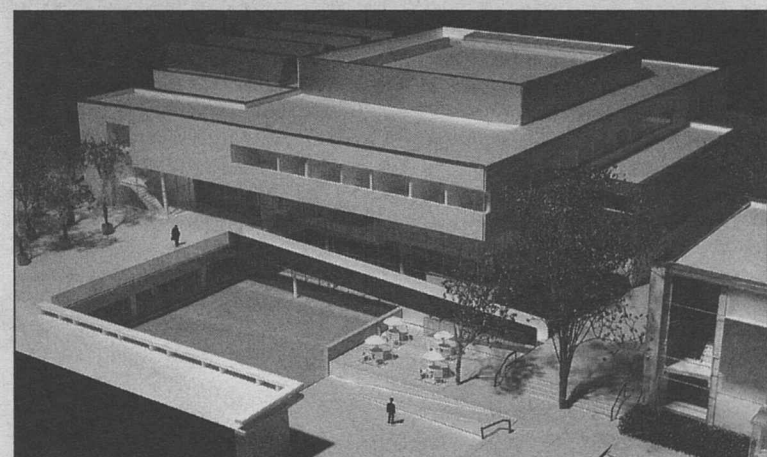
Details on the events surrounding the groundbreaking. Page 6

"This is truly a dramatic moment," Wrighton said. "The Washington University art collection is among the finest in the nation and is a major resource for students, faculty and the general public. Mr. Maki has designed a world-class facility that will enable us, for the first time in a century, to place works from that collection on permanent, year-round display."

"We are deeply indebted to the Kemper family, both for their leadership and for their dedication to the arts in St. Louis."

The \$5 million gift includes \$1 million from Mildred's husband, James M. Kemper Jr., chairman emeritus of Commerce Bancshares Inc.; and \$1 million from their son, David W. Kemper, chairman, president and chief executive officer of Commerce Bancshares and vice chairman of the University's Board of Trustees, and his wife, Dotty Kemper.

See Museum, Page 6



On April 14, the University will break ground on the Mildred Lane Kemper Art Museum (above, as viewed looking northwest). The 65,000-square-foot, limestone-clad structure is one of two new buildings designed by Pritzker Prize-winning architect Fumihiko Maki as part of the \$56.8 million Sam Fox Arts Center.

## Thurtene Carnival expected to draw more than 120,000

By NEIL SCHOENHERR

On April 12, nearly 50 student organizations will take over the Athletic Complex parking lot in preparation for Thurtene Carnival, the University's oldest tradition, dating back to 1904.

Thurtene Carnival 2004, themed "Cause For Celebration," will be from 11 a.m.-8 p.m. April 17-18. It marks the continuation of the nation's oldest and largest student-run carnival.

The event is presented by members of Thurtene Honorary, 13 juniors who bear responsibility

for the continuation of the tradition.

The carnival began to be organized in 1904. The first "Younivee Surrkuss," Thurtene's predecessor, was held in 1907. The seven-hour festival ran much like a real circus and featured sideshows and a main attraction.

General admission was 10 cents, sideshows were a nickel and proceeds were donated to the Athletic Association. A crowd of 400 made the event a roaring success.

Nearly a century later, Thurtene  
See Thurtene, Page 5



# Arthur is installed as Wilson professor

By TONY FITZPATRICK

**R**. Martin Arthur, Ph.D., professor and interim chair of electrical and systems engineering, was installed as the Newton R. and Sarah Louisa Glasgow Wilson Professor of Engineering April 1 in Uncas A. Whitaker Hall for Biomedical Engineering.

The Wilson professorship was established with funds from a charitable trust Sarah Wilson had established at the University, the last gift among many for construction of facilities, faculty salaries and scholarships for women.

Born in St. Louis in 1858, Wilson was the daughter of William Glasgow Jr., one of the 17 charter members of the Corporation of Washington University, and the granddaughter of William Carr Lane, the first mayor of St. Louis. She was a graduate of the Class of 1876 at Mary Institute, then a girls' preparatory division of the University.

In 1897, she married Newton R. Wilson, an 1879 graduate of the University with a degree in mining engineering. He contributed to the success of many American smelting companies until his interest shifted to lumber. He was president of the

Industrial Lumber Co. in Louisiana when he died in 1914.

After her husband's death, Sarah Wilson returned to St. Louis, where she died in 1938. Her interest in philanthropy extended to many organizations, including John Burroughs School, Mary Institute, the St. Louis Medical Society and Washington University.

Arthur is one of the world's experts in using electrocardiographic data to image the electrical activity of the heart to gain new information about its condition. He also ranks among the world's leaders in research on ultrasonic imaging systems.

Arthur earned bachelor of arts (1962), bachelor of science (1963) and master's (1964) degrees in electrical engineering from Rice University. In 1968, he earned a doctorate in biomedical engineering from the University of Pennsylvania, where he developed methods to estimate cardiac activity from body-surface measurements.

Following postdoctoral work in auditory neurophysiology from 1969-1970 at Washington University, he joined the faculty. He was assistant professor of electrical



Christopher I. Byrnes, Ph.D. (left), dean of the School of Engineering & Applied Science and the Edward H. and Florence G. Skinner Professor of Systems Science and Mathematics, presents R. Martin Arthur, Ph.D., professor and interim chair of electrical and systems engineering, with a plaque at Arthur's installation as the Newton R. and Sarah Louisa Glasgow Wilson Professor of Engineering.

engineering until 1975, when he became an associate professor. He was promoted to full professor in 1983.

He also is an affiliate professor of biomedical engineering.

He was a research associate of the Biomedical Computer Laboratory from 1973-1987 and direc-

tor of the Clinical Engineering Program from 1975-1980.

"Martin Arthur carries on in the great tradition of the Wilson professorship in biomedical engineering," said Christopher I. Byrnes, Ph.D., dean of the School of Engineering & Applied Science

and the Edward H. and Florence G. Skinner Professor of Systems Science and Mathematics. "Martin has been a pioneer in the use of imagery and other engineering tools in medicine. For these reasons, it was very fitting that his

See Arthur, Page 6

## Debate team wins first national title

By NEIL SCHOENHERR

**T**he University's debate team took first place in the National Invitation Tournament for small schools held at Knox College in Galesburg, Ill., March 19-21.

This is the first national championship for the University's debate program.

The team of Jonathan Wolfson and Roxanna Mason beat a duo from McKendree College in the finals on an 8-1 decision. Sean Phillips and Abram Rose teamed to take fourth place.

Wolfson was also named the best individual speaker, while

Mason and Rose took third and seventh places, respectively, in that category.

"The team is on cloud nine right now," said Jennifer Rigdon, coordinator for speech and debate. "I couldn't be more proud of them. They deserve all of the credit for their hard work and determination."

"It isn't at all surprising that they won a national championship, given the talent of these students. I think we'll continue to see great success from the speech and debate program in the future."

The student-run debate team is funded by Student Union and

the Office of Student Activities. The team started in the late 1990s and had no coach. Rigdon was hired in 1999 to coach the program, which now includes more than 30 students.

The team has been very successful. After winning the NIT, the National Parliamentary Debate Association ranks WUSTL No. 38 nationally out of 346 teams.

It also is the top-ranked student-run program in the country. Other student-run debate programs are housed at Harvard and Stanford universities.

For more information, go online to [restech.wustl.edu/~debate](http://restech.wustl.edu/~debate).

## News Briefs

### Parking to be limited week of April 12

With the groundbreaking ceremonies of the Sam Fox Arts Center April 14 and Thurtene Carnival April 17-18, parking on campus that week will be especially challenging.

Due to the groundbreaking, approximately 100 spaces will be unavailable April 13 in the parking lot just north of Steinberg Hall for setup. Approximately 300 spaces will be unavailable April 14, and then again approximately 100 spaces will be unavailable April 15 for tear-down.

Because of Thurtene, the entire parking lot east of the Athletic Complex, south of Anheuser-Busch Hall and north and west of Simon Hall will be closed and unavailable for parking starting at midnight tonight. The lot will partially re-open April 20, and the entire lot will be available April 21.

For those having difficulty finding parking, the University is encouraging people to take advantage of the overflow parking spaces at West Campus. Shuttles will run every 15 minutes between the West and Hilltop campuses.

The University appreciates the patience shown by drivers as WUSTL hosts these two events.

All University parking rules and regulations will continue to be enforced during this time.

### Bridge work at Big Bend and parkway to continue

Due to the rainy weather in March, the installation of temporary bridges at Big Bend Boulevard and Forest Park Parkway that was scheduled to begin March 26 was pushed back.

The work was rescheduled for the weekends of April 2 and April 9. Motorists who use Big Bend are encouraged to use an alternate route.

This work is necessary for construction of the University City-Big Bend MetroLink station to proceed while maintaining the flow of traffic on Big Bend Boulevard.

Lane restrictions and closures will proceed as follows:

• Today, 6 p.m. — Big Bend reduced to one lane in each direction at Forest Park Parkway. This will be in place until 8 p.m. April 11.

• April 10, 7 a.m.-noon — Traffic on Big Bend will experience intermittent closures at Forest Park Parkway.

• April 11, 8 p.m. — All four lanes open on Big Bend. Work is complete.

Additional time could be required for this work in the case of bad weather or unforeseen conditions.

### Social Security numbers removed from paychecks

The Federal Trade Commission recently released a report estimating that 27.3 million Americans have been the victims of identity theft in the past five years, including 9.9 million people in the last 12 months alone.

In order to help prevent identity theft and protect the privacy of University employees, Social Security numbers will no longer be printed on payroll checks or deposit advices.

"It is simply to prevent the possibility of identity theft," said Tina Jannings, manager in payroll services. "Since some departments put checks in mail slots, the potential was there for someone else to take it, open it and gain access to the SSN."

### HIV, addictions are topics of GWB forum

As part of the University's Sesquicentennial celebration, the Comorbidity and Addictions Center at the George Warren Brown School of Social Work will host "Advancing Social Work Research in Addictions and HIV" April 15-16.

The conference will bring together leading scholars to examine addictions and HIV research from a social work perspective.

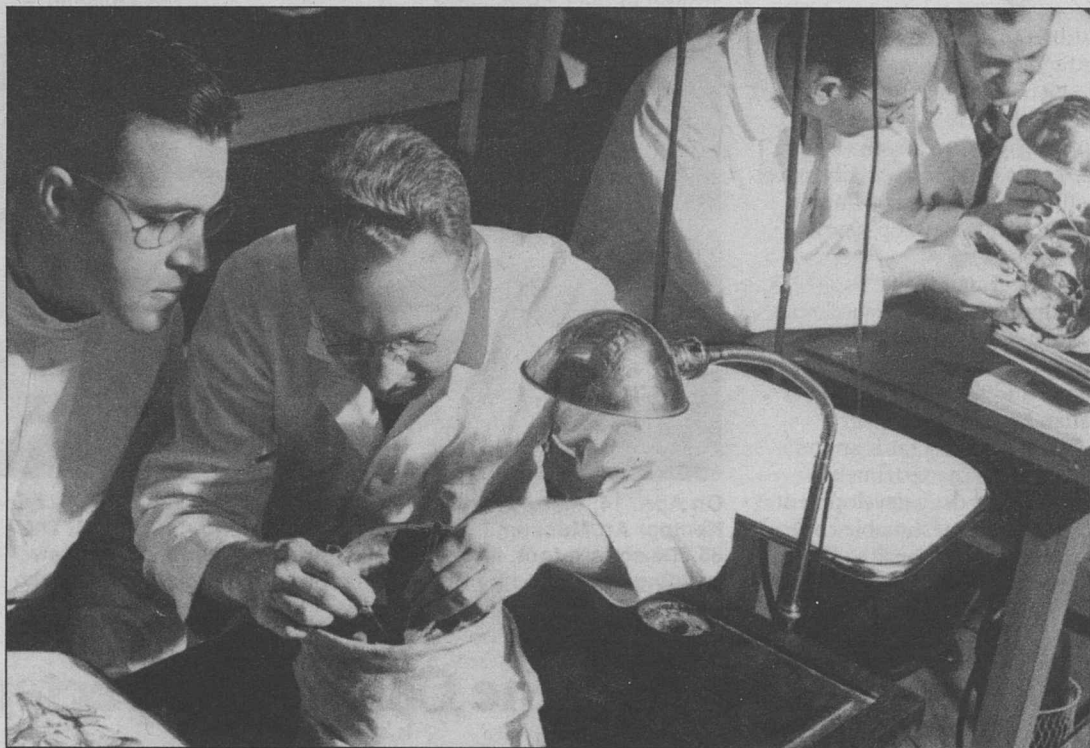
Information gathered at this conference will be used to further a research agenda for social workers studying addictions and HIV.

The conference is a joint effort of the seven National Institute on Drug Abuse-funded social work research centers.

Among the speakers will be Linda B. Cottler, Ph.D., professor of epidemiology in psychiatry in the School of Medicine.

The conference is closed to the public. For more information, call 935-8386 or e-mail [cac@gwbssw.wustl.edu](mailto:cac@gwbssw.wustl.edu).

## PICTURING OUR PAST



The Department of Anatomy (now the Department of Anatomy and Neurobiology) has been around for nearly 100 years. The department covers such aspects of the human body as anatomical principles and human growth and development (pictured in a 1940s anatomy lab), as well as cell and tissue biology and the structure, function and development of the nervous system. But in 1850, the precursor to the current anatomy studies played an important role in the art world. Harriet Hosmer came to St. Louis to visit former schoolmate Cornelia Crow, daughter of University co-founder Wayman Crow. With the support of the elder Crow, Hosmer gained access to an anatomy course at the Missouri Medical College, later part of the Washington University School of Medicine. In the class, Hosmer received training that helped her become a neo-classical sculptor. Three of Hosmer's sculptures — *Daphne*, *Oenone* and a bust of Wayman Crow — now reside in the University's Gallery of Art collection.

Washington University is celebrating its 150th anniversary in 2003-04. Special programs and announcements will be made throughout the yearlong observance.



Treasuring the Past  
Shaping the Future



# School of Medicine Update

## Loebs establish professorship

By DIANE DUKE WILLIAMS

Jerome T. and Carol B. Loeb have established an endowed professorship and a teaching fellows program at the School of Medicine with a \$2.5 million gift. The Loebs made this commitment to honor and thank local physicians with clinical excellence and to encourage teaching that excellence to residents and students. The Carol B. and Jerome T. Loeb Professorship will recognize a professor with extraordinary clinical and medical skills. The gift will also establish the Carol B. and Jerome T. Loeb Teaching Fellows Program, which will enable two St. Louis physicians to dedicate a significant amount of their time to teaching clinical medicine to students and residents. Chancellor Mark S. Wrighton and Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine, announced the Loebs' gift. "Jerry has been one of the area's most outstanding corporate leaders," Wrighton said. "He and Carol have devoted countless hours to improving our city's health and well-being, and their commitment to worthy causes is recognized by all who know them. "An endowed professorship is the highest honor a university can bestow upon a member of the faculty, and this is the first to specifically recognize and support a physician for being an outstanding teacher of future physicians. The Loebs have given us an unprecedented and much appreciated opportunity to recognize and foster clinical excellence." BJC HealthCare is recognizing the Loebs' generosity and enhancing the program by committing \$2 million for four additional teaching fellowships, bringing the initial number of fellowships to six. The physicians in the teaching fellows program will be appointed for a three-year term and will receive compensation to enable them to focus significant additional time on teaching medical students and residents. Physicians in any area of practice on the School of Medicine faculty will be eligible to be fellows. "BJC HealthCare and Barnes-Jewish Hospital are pleased to add

to this program which Carol and Jerry Loeb have established," said Ronald G. Evens, M.D., president of Barnes-Jewish Hospital. "As an organization, we are committed to excellence in healthcare and believe these fellowships will be an important part of physician training." Wrighton has committed \$300,000 in matching funds for the next two fellowships established by other donors. This will allow the next two \$500,000 fellowships to be established for \$350,000. "The Carol B. and Jerome T. Loeb Teaching Fellows Program will contribute to the educational experiences of the nation's very best medical students and residents and is an important contribution to advancing our education and patient care goals at the School of Medicine," Shapiro said. "The University and the Loebs hope that others will endow fellowships to expand the breadth of this program." Jerome Loeb retired as chairman of the May Department Stores Co. in 2001. He joined the company's Famous-Barr division in 1964 and held several positions at the corporate office and at Hecht's, the department store division based in Washington, D.C. In 1981, he was named executive vice president and chief financial officer for the company, elected to the board of directors in 1984, promoted to president in 1993 and named chairman in 1998. Loeb, who is co-author of *Why Can't We Get Anything Done Around Here?* is adjunct professor of marketing at the University's John M. Olin School of Business. Loeb is past chairman of the board of directors and a current director of both National Junior Achievement and the local Junior Achievement program. He serves on the boards of BJC Health System, Barnes-Jewish Hospital and the OASIS Institute. He is a trustee of the St. Louis Science Center and previously served as chairman of its board of commissioners. Loeb also is a member of the President's Council of the American Jewish Committee. He earned a bachelor's degree in mathematics and physics from Tufts University in 1962 and a master's degree in mathematics from Washington University in 1964. Carol Loeb earned a bachelor's degree in mathematics and French from Mount Holyoke College in 1963. She is a mathematics teacher and tutor. She serves on the Member's Board of the Missouri Botanical Garden. She and Jerome have established the Loeb Prize at the St. Louis Science Center, which annually recognizes the area's excellent mathematics and science teachers with cash prizes. The Loebs are St. Louis natives and have two children.



**Spring forward** James (left) and Sebastian Irwin skip across the wandering stone path in the lush Olson Family Garden atop the eighth floor of St. Louis Children's Hospital. The 8,000-square-foot oasis offers a serene and healing haven of waterfalls and winding paths for Medical Campus patients and their families. The Irwin brothers and their extended family enjoy the garden, which is home to more than 7,000 plants and flowers, while their brother recovers from successful brain surgery. Throughout the year, the Olson Family Garden features various activities. The Lutheran South High School Jazz Combo will perform in the garden at 2 p.m. April 22.

## Techniques improve lung tumor targets

By MICHAEL C. PURDY

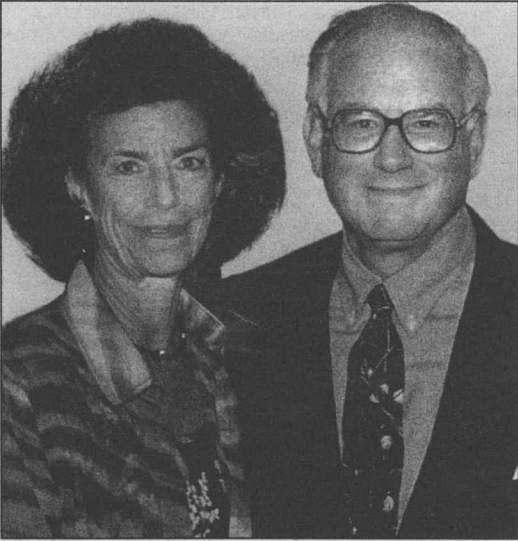
Physicians targeting lung tumors for radiation therapy can substantially improve their aim by combining data from two scanning techniques, according to Siteman Cancer Center researchers. The current standard practice is to devise radiation therapy targets based solely on computerized tomography (CT) scans, which produce detailed pictures of the size and shape of cancerous growths. In a study in the April 15 issue of the *International Journal of Radiation, Oncology, Biology, Physics*, researchers show that adding data from positron emission tomography (PET) scans to structural CT data significantly enhances radiologists' abilities to precisely define the locations of tumors for radiation treatments. Radiologists use PET to get detailed information on tissue function and activity, enabling them to highlight such differences as the increased metabolic activity of a tumor. For the study, the researchers compared therapy plans designed by different physicians for 26 lung cancer patients. Two therapy plans were devised for each patient: A physician with access only to CT scanning results creat-

"Papers like this are intended both to help change the community standard for how radiation treatment protocols are designed and to change insurers' willingness to pay for this new approach. This is the next advance in radiology, and it could be very helpful to our patients."

JEFFREY D. BRADLEY

ed one of the plans, while another physician independently created a second therapy plan based on combined data from CT and PET scans. Patients had non-small-cell lung cancer, the most common type of lung tumor. "Adding the PET data to the analysis changed and improved the treatment plans 58 percent of the time," said lead investigator Jeffrey D. Bradley, M.D., assistant professor of radiation oncology. "PET-CT helped physicians more accurately identify where tumors were in patients, and that's very important to efficacy of treatment and to limiting side effects." As an example of improved effectiveness, Bradley cited a patient whose tumor had caused a lung to collapse. With a CT scan only, physicians had identified a

significant portion of the collapsed lung as a tumor. But with a combined PET-CT image, they were able to show that the tumor was much smaller. Combined PET-CT scanning units, first devised approximately two years ago, are now available at hundreds of hospitals nationwide. "Papers like this are intended both to help change the community standard for how radiation treatment protocols are designed and to change insurers' willingness to pay for this new approach," Bradley said. "This is the next advance in radiology, and it could be very helpful to our patients." Bradley is designing a multi-institutional follow-up study for the Radiation Therapy Oncology Group, a cooperative group funded by the National Cancer Institute.



Carol B. and Jerome T. Loeb

## Donors thank clinicians, support staff

In making this gift and establishing this program, the Loebs wish to give special thanks to the many wonderful clinicians from whose care and caring they have benefited:

Elliot E. Abbey, M.D., clinical professor of medicine

Fred J. Balis, M.D., assistant clinical professor of medicine

Ray E. Clouse, M.D., professor of medicine

Ralph G. Dacey Jr., M.D., the Edith R. and Henry G. Schwartz

Professor and chairman of the Department of Neurological Surgery

Colin P. Derdeyn, M.D., associate professor of radiology

The late Max Deutch, M.D., emeritus associate clinical professor of pediatrics

Kathryn M. Diemer, M.D., assistant professor of medicine

John F. DiPersio, M.D., Ph.D., the Lewis T. and Rosalind B. Apple Professor of Medicine

Robert M. Feibel, M.D., clinical professor of ophthalmology

Ralph D. Feigin, M.D., former professor of pediatrics

Thomas B. Ferguson Sr., M.D., emeritus professor of surgery

I. Jerome Flance, M.D., emeritus clinical professor of medicine and special associate for community development

Victoria J. Fraser, M.D., professor of medicine

Ruth S. Freedman, M.D., emeritus

instructor in clinical ophthalmology and visual sciences

Richard H. Gelberman, M.D., the Fred C. Reynolds Professor of Orthopaedic Surgery and head of the department

Jerome J. Gilden, M.D., emeritus professor of orthopaedic surgery

Barry S. Goldenberg, D.M.D., clinical instructor of otolaryngology

M. Gilbert Grand, M.D., clinical professor of ophthalmology and visual sciences

Marshall B. Greenman, M.D., associate clinical professor of pediatrics

Byron B. Gross, D.D.S.

Keith A. Hruska, M.D., the Ira M. Lang Professor of Nephrology

Michael J. Isserman, M.D., assistant clinical professor of ophthalmology and visual sciences

Michael M. Karl, M.D., clinical professor of medicine

Bruce A. Kraemer, M.D., associate professor of surgery

Carl Lauryssen, M.B., Ch.B., former associate professor of neurological surgery

Daniel S. McDonald, M.D., clinical instructor of obstetrics and gynecology

Susan E. MacKinnon, M.D., the Sydney M. Shoenberg Jr. and Robert H. Shoenberg Professor of Plastic and Reconstructive Surgery and head of the division

Steven B. Miller, M.D., associate professor of medicine

David M. Sheinbein, M.D., assistant professor of medicine

Bernard L. Shore, M.D., clinical professor of medicine

The late Samuel D. Soule, M.D., emeritus clinical professor of obstetrics and gynecology

Steven M. Strasberg, M.D., the Pruett Professor of Surgery

Samuel A. Wells Jr., M.D., former Bixby Professor and head of Department of Surgery

Franz J. Wippold II, M.D., associate professor of radiology

Neill M. Wright, M.D., assistant professor of neurological surgery

Rick W. Wright, M.D., assistant professor of orthopaedic surgery

The Loebs also want to acknowledge and thank the nurses, technical, support and administrative medical personnel and the hospitals for their care and caring and importance.



# University Events

## Working With Parents • Baseball in Japan • Basquiat

"University Events" lists a portion of the activities taking place April 9-22 at Washington University. Visit the Web for expanded calendars for the Hilltop Campus ([calendar.wustl.edu](http://calendar.wustl.edu)) and the School of Medicine ([medschool.wustl.edu/calendars.html](http://medschool.wustl.edu/calendars.html)).

### Exhibits

**American Art of the 1980s: Selections From the Broad Collections.** Through April 18. Gallery of Art. 935-5423.

**American Art on Paper From 1960s to the Present.** Through April 18. Gallery of Art. 935-5423.

**Painting America in the 19th Century.** Through April 18. Gallery of Art. 935-5423.

**History of Adult Education at Washington University, 1854-2004.** Through May 31. January Hall, Rm. 20. 935-4806.

**Influence 150: 150 Years of Shaping a City, a Nation, the World.** Becker Medical Library. 362-7080.

**New Beginnings: The First Decade of the Washington University Medical Campus, 1915-1925.** Through May 31. Glaser Gallery, Becker Medical Library, 7th Fl. 362-4236.

### Film

#### Friday, April 9

**7 p.m. Gallery of Art SoHo in Hollywood/Hollywood in SoHo: 80s Artists on Film Series.** *Basquiat.* Julian Schnabel, dir. Gallery of Art. 935-4523.

### Lectures

#### Friday, April 9

**9:15 a.m. Pediatric Grand Rounds.** "Mitochondrial Cytopathy in Children." Bruce Cohen, dept. of neurology, Cleveland Clinic Foundation. Clopton Aud., 4950 Children's Place. 454-6006.

**Noon. Cell Biology & Physiology Seminar.** "Strabismus and Beyond: Establishing Epithelial Polarity in the Drosophila Eye." Tanya Wolff, asst. prof. of genetics. McDonnell Medical Sciences Bldg., Rm. 426. 362-3964.

**12:30-4:30 p.m. St. Louis STD/HIV Prevention Training Center CME Course.** "STD Clinician." Cost: \$110. U. of Mo.-St. Louis, S. Computer Bldg., Rm. 200A. To register: 747-1522.

#### Monday, April 12

**7:45 a.m.-6:30 p.m. School of Medicine Symposium.** In honor of Dr. Paul E. Lacy. "Immunology of Type 1 Diabetes and Islet Transplantation." Co-sponsored by Pathology & Immunology. Eric P. Newman Education Center. 747-0561.

**8:30 a.m.-4:30 p.m. Center for the Application of Information Technology Workshop.** "Developing IT Professionals Into Leaders." (Continues 8:30 a.m.-4:30 p.m. April 13.) Cost: \$1,000. CAIT, 5 N. Jackson Ave. To register: 935-4444.

**10 a.m. Molecular Microbiology Seminar.** "Malaria Genomics: Dissecting the Developmental Transcriptase." Manuel Llamas, postdoctoral fellow in biochemistry & biophysics, U. of Calif., San Francisco. McDonnell Pediatric Research Bldg., Rm. 8101. 747-2630.

**11 a.m. African & Afro-American Studies Program Lecture.** Henry E. Hampton Jr. Social Science Lecture Series. "Nationalism, Imagined Communities and Transnational Black Politics, 1955-1970." Michael Hanchard, prof. of political science and dir., Inst. for Diaspora Studies, Northwestern U. Eliot Hall, Rm. 200F. 935-5690.

**Noon. Center for the Study of Nervous System Injury Monday Noon Seminar Series.** "Modulation of Pain Sensation and Spinal Cord Function by Metabotropic Glutamate Receptors." Robert W. Gereau, assoc. prof. and chief of basic research, Washington U. Pain Center and dept. of anesthesiology. Maternity Bldg., Schwarz Aud. 362-9460.

**Noon. Molecular Biology & Pharmacology Seminar.** "Mx2 and Bone Formation: Osteogenic Programming of Vascular Progenitors." Dwight A. Towler, chief of bone & mineral diseases, Barnes-Jewish Hosp. and assoc. prof. of medicine. South Bldg., Rm. 3907, Philip Needleman Library. 362-0183.

**Noon. Work, Families and Public Policy Brown Bag Seminar Series.** "Interpreting the Evidence of Family Influence on Child Development." James J. Heckman, Henry Schultz Distinguished Service Professor

of Economics, U. of Chicago. Eliot Hall, Rm. 300. 935-4918.

**4 p.m. Biology Seminar.** "Strategies for Targeted Integration of DNA Into a Specific Site in the Plant Genome." Mary-Dell Chilton, principal Syngenta fellow, Syngenta Biotechnology Inc. Rebstock Hall, Rm. 322. 935-6850.

#### Tuesday, April 13

**Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series.** "The Strategy of Conquest: Herpes Simplex C Virus vs. the Host Cell." Bernard Roizman, prof. of microbiology & immunology, U. of Chicago. 747-2132.

**4 p.m. Assembly Series.** Arts & Sciences Sesquicentennial, Ferguson, and Phi Beta Kappa/Sigma Xi Lecture. "One Culture or the Commonalities and Differences Between the Arts & Sciences." Roald Hoffman, Nobel Prize-winning chemist, poet and author. Graham Chapel. 935-5285.

#### Wednesday, April 14

**11 a.m. Assembly Series.** Women's Society of Washington University Adele Starbird Lecture. "Reading Lolita in Tehran." Azar Nafisi, former prof., U. of Tehran, and author. Graham Chapel. 935-5285.

**1-5:30 p.m. Pediatrics Symposium.** "The Genetic and Developmental Basis of Pediatric Disease." (Continues 8-11:45 a.m. April 15.) Eric P. Newman Education Center. 454-6005.

**1:10 p.m. George Warren Brown School of Social Work Spring Lecture Series.** "Exploring Our Moral and Collective Responsibilities." Larry May, prof. of philosophy. Brown Hall Lounge. 935-5694.

**4 p.m. Architecture Monday Night Lecture Series.** Sam Fox Arts Center Groundbreaking Address. Frank Stella, artist. Steinberg Hall Aud. 935-6200.

**4 p.m. Physics Colloquium.** "Resonant BEC: A New Macroscopic Quantum System." Carl Wieman, prof. of physics, U. of Colo. (3:30 p.m. coffee, Compton Hall, Rm. 245.) Crow Hall, Rm. 204. 935-5276.

#### Thursday, April 15

**Noon. Genetics Seminar Series.** "Study of a Complex Human Obesity Syndrome: From Isolated Populations to Animal Models." Val Sheffield, dept. of pediatrics, U. of Iowa. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

**3 p.m. Physics Seminar.** "Polyakov Loop and Glueball Physics With Dynamical Quarks." Kenji Fukushima, dept. of physics, Mass. Inst. of Tech. (2:30 p.m. coffee.) Compton Hall, Rm. 241. 935-6276.

**4 p.m. Anesthesiology Lecture.** Annual C.R. Stephen Lecture. "Molecular Mechanisms and Neural Substrates for the Behavioral Effects of General Anesthetics: Clinical Implications." Mervyn Maze, Sir Ivan Magill Professor of Anaesthetics and head, dept. of anaesthetics and intensive care, Imperial College, Chelsea and Westminster Hospital, London. Eric P. Newman Education Center. 454-8701.

**8 p.m. Writing Program Reading Series Talk.** Joy Williams, Fannie Hurst Professor of Creative Literature and author. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.

#### Friday, April 16

**9:15 a.m. Pediatric Grand Rounds.** "Working With Parents: Three Lessons From the Inner-City Asthma Study." Ellen F. Crain, dir. of emergency medicine, Jacobi Medical Center, Bronx, N.Y. Clopton Aud., 4950 Children's Place. 454-6006.

**Noon. Cell Biology & Physiology Seminar.** "Molecular Genetic Dissection of K Channel Diversity and Functioning." Jeanne M. Nerbonne, prof. of molecular biology & pharmacology. McDonnell Medical Sciences Bldg., Rm. 426. 362-3964.

**1-4:30 p.m. St. Louis STD/HIV Prevention Training Center CME Course.** "What's New in Bacterial STDs." Cost: \$50. U. of Mo.-St. Louis, S. Computer Bldg., Rm. 200A. To register: 747-1522.

**2-5 p.m. Symposium for Technology, Media, Design, Art and Theory: Critical Praxis for the Emerging Culture.** "Technology and Design Between Theory and Practice." Philip Walsh, historian, Northeastern U., moderator. Steinberg Hall Aud. 935-6200.

**2 p.m. Visiting East Asian Professionals Program Discussion.** "Mitts Across the Pacific: Baseball in Japan and the United States." (Reception follows.) Anheuser-Busch Hall, Rm. 310. 935-8772.

**4 p.m. Romance Languages and Literatures Lecture Series.** "Self-representations in Ronsard's Poetic Works." Fran-



WILLIAM MATHEWS

**April Fools On April 1, second-year law student Gina Mitten took over as "Dean for a Day" at the School of Law. Mitten won the position at the Women's Law Caucus Auction benefiting public interest summer stipends. Joel Seligman, J.D., the "previous" law school dean, cheerfully relinquished his office. "Frankly, I have been waiting for this to happen for years," Seligman said, tongue-in-cheek. "It is a shame she didn't time it better for the Cardinals' opening day."**

cois Rouget, Queen's National Scholar and prof. of French literature, Queen's University, Ontario. Brookings Hall, Rm. 300. 935-5175.

**7:30 p.m. McDonnell Center Distinguished Lecture.** "The Stardust Mission." Donald Brownlee, prof. of astronomy, University of Washington. Arts & Sciences Laboratory Sciences Bldg., Jerzewiak Family Auditorium. 935-5332.

#### Saturday, April 17

**7:30 a.m.-noon. Infectious Diseases CME Course.** "HIV Medical Applications From the 11th Conference on Retroviruses and Opportunistic Infections." Cost: \$55. Eric P. Newman Education Center. 454-8215.

**10 a.m.-1 p.m. Symposium for Technology, Media, Design, Art and Theory: Critical Praxis for the Emerging Culture.** "Complexity of Cultural Shifts: Projecting Critical Praxis." Carol Strohecker, scientist, Media Lab Europe, moderator. Steinberg Hall Aud. 935-6200.

#### Monday, April 19

**Noon. Center for the Study of Nervous System Injury Monday Noon Seminar Series.** Paul Kotzbauer, Center for Neurodegenerative Disease Research, U.

of Penn. Maternity Bldg., Schwarz Aud. 362-9460.

**Noon. Molecular Biology & Pharmacology Seminar.** "Calcium Channel Modulation: Molecular Mechanisms and Physiological Significance." Kathleen Dunlap, prof. of neuroscience, Tufts U. South Bldg., Rm. 3907, Philip Needleman Library. 362-0183.

**4 p.m. Biology Seminar.** Annual Viktor Hamburger Lecture. "Induction of the Vertebrate Central Nervous System." Eddy De Robertis, Howard Hughes Medical Inst. and dept. of biological chemistry, U. of Calif., Los Angeles. January Hall, Rm. 110. 935-6860.

**7 p.m. Architecture Monday Night Lecture Series.** Sam Fox Arts Center Lecture. Krzysztof Wodiczko, artist. (5:30 p.m. reception, Givens Hall.) Steinberg Hall Aud. 935-6200.

#### Tuesday, April 20

**Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series.** "Persisting Problems in Tuberculosis." John D. McKinney, asst. prof. of microbiology & immunology and head of the lab. of infection biology, Rockefeller U. Cori Aud., 4565 McKinley Ave. 362-3692.

**Noon. Program in Physical Therapy Seminar.** "Interaction of Mental Tasking and Postural Stability in Elderly and Early Alzheimer Patients." Joel A. Goebel, prof. and vice chairman of otolaryngology-head and neck surgery. 4444 Forest Park Blvd., Lower Lvl., Rm. B108/B109. 286-1404.

**4 p.m. Biology Seminar.** "Structural Bioinformatics and Protein Evolution Made Easy." Eric Martz, prof. emeritus of microbiology, U. of Mass., Amherst. McDonnell Hall, Rm. 212. 935-5348.

**4 p.m. Writing Seminar.** Qui Xiaolong, author. McMillan Café. 935-5576.

#### Wednesday, April 21

**10 a.m. Molecular Microbiology Seminar.** "HIV Exploitation of DC-SIGN as a Viral Trans Receptor." Li Wu, research fellow, National Cancer Inst., Frederick, Md. McDonnell Pediatric Research Bldg., Rm. 8101. 747-2630.

**1-3 p.m. Academic Publishing Services Course.** "Strategies for Successful Grant Proposals." (Also 1-3 p.m. April 28, May 5 & 12.) Cost: \$60 per class or \$200 for all four. Moore Aud., 660 S. Euclid Ave. To register: 362-4181.

**2 p.m. Assembly Series.** Environmental Initiative Colloquium Presentation. "Educational Practices and the Environment." Chancellor Mark S. Wrighton, moderator. Whitaker Hall Aud. 935-5285.

**4 p.m. University Libraries Special Collections Lecture.** "Mendelssohn, Lessing, and Friends." Hillel J. Kieval, Gloria M. Goldstein Professor of Jewish History and Thought. Olin Library, Lvl. 1, Special Collections. 935-5418.

#### Thursday, April 22

**Noon. Genetics Seminar Series.** Paul Garrity, dept. of biology, Mass. Inst. of Technology. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

**3-7:30 p.m. Center for the Application of Information Technology Forum.** "Creating Value for Customers." Robert McDowell, Microsoft Worldwide Services. Forest Park, Lindell Pavilion. To register: 935-4444.

### Music

#### Monday, April 12

**8 p.m. Chamber Music Concert.** Featuring George Silfies, principal clarinetist, Saint Louis Symphony Orchestra. Whitaker Hall Aud. 935-4841.

#### Thursday, April 15

**8 p.m. Jazz at Holmes.** New York pianist Marc Copland & his trio. Ridgley Hall, Holmes Lounge. 935-4841.

#### Sunday, April 18

**3 p.m. Graduate Recital.** Adam Cromer, tenor. Henry Palkes, piano. Graham Chapel. 935-4841.

#### Tuesday, April 20

**8 p.m. Concert.** Washington University Chorus. Eric Anthony, dir. Graham Chapel. 935-4841.

#### Thursday, April 22

**8 p.m. Jazz at Holmes.** Freddie Washington's tribute to John Coltrane. Ridgley Hall, Holmes Lounge. 935-4841.

## Nobel Prize-winning chemist Hoffmann to speak

BY MARY KASTENS

Poet and Nobel Prize-winning chemist Roald Hoffmann will present the William C. Ferguson Memorial Lecture, titled "One Culture or the Commonalities and Differences Between the Arts and Sciences," at 4 p.m. April 13 in Graham Chapel.

Though he is best known as a chemist, Hoffmann also is a published poet. In his talk, he will use examples from chemistry, poetry, painting and ceramics to make a case for an underlying unity of science and the arts.

He explores the similarities in the creative processes of the two disciplines. There also are differences between the two, but he does not believe "scientists have some greater insight into the workings of nature than poets."

Hoffmann was born in Poland in 1937. His father was killed by the Nazis, but he and his mother and a few relatives survived. He came to the United States in 1949.

He graduated from Columbia University in 1958 and went on to earn a master's degree in physics in 1960 and a doctorate in chemical physics in 1962, both from Harvard. He joined the faculty

at Cornell University in 1965 and now holds the Frank H.T. Rhodes Professorship in Humane Letters.

Hoffmann's published research is highly influential and is frequently cited by other scientists, but he feels his major contribution is teaching. He primarily teaches undergraduates.

Among his many honors are the American Chemical Society's A.C. Cope Award in Organic Chemistry, which he received jointly with Nobel laureate R.B. Woodward in 1973.

In 1972, he was elected to the National Academy of Science.

Hoffmann shared the Nobel Prize in chemistry in 1981 with Kenichi Fukui of Japan for work they did independently in applying the theories of quantum mechanics to predict the course of chemical reactions. At the time, it was considered by many chemists to be the most important conceptual advance in the field in 25 years.

The lecture is co-sponsored by Arts & Sciences, Phi Beta Kappa and Sigma Xi. Assembly Series lectures are free and open to the public.

For more information, call 935-4620 or go online to [assemblyseries.wustl.edu](http://assemblyseries.wustl.edu).



## Sports

### Softball's Sagartz tosses perfect game

From April 1-3, the No. 3 softball team went 2-1, suffering its first defeat of the season.

On April 1, freshman pitcher Laurel Sagartz threw the first perfect game in WUSTL history on her 19th birthday as the Bears won at Missouri Baptist University, 3-0. Sagartz struck out six as she improved to 7-0.

On April 3, the Bears suffered their first loss by splitting a doubleheader with Fontbonne University. Kelly Morris of Fontbonne ended the Bears' 22-game winning streak in the opener by pitching a one-hit shutout en route to a 3-0 win. Sagartz got the Bears back on the winning track in the nightcap with a two-hit shutout in a 4-0 win.

### On the Web

For complete sports schedules and results, go to [bearsports.wustl.edu](http://bearsports.wustl.edu).

### Sports shorts

The **baseball** team split four games at Kelly Field. On April 3, the Bears lost to Thomas More College, 4-1, before bouncing back to defeat Knox College, 11-3. One day later, the Bears lost to the University of Dallas, 8-2, before defeating Knox, 4-3, in the nightcap on sophomore Ryan Corning's walkoff home run.

The No. 12 **women's tennis** team continued its winning ways last week, picking up three wins to improve to 13-2 on the season. WUSTL opened the week with an

8-0 win April 1 against city rival Maryville University. The Bears followed that up with a 9-0 win against Nebraska Wesleyan University and a 6-1 win against NCAA Division I Wright State University, both on April 3.

The No. 7 **men's tennis** team went 2-1 to improve to 7-6. On March 30, No. 2 Williams College invaded the Tao Tennis Center and posted a 6-1 win against the Bears. On April 3, WUSTL posted wins over Nebraska Wesleyan (7-0) and Wright State (6-1).

The **track and field** team opened the outdoor season by hosting the WU Invitational April 3. Though no team scores were kept, the Bears turned in a number of impressive performances as four student-athletes took first place.

## Thurtene

### Awards to be presented at event's conclusion

— from Page 1

tene Carnival still bears a resemblance to its ancestor. However, the "Big Top" has been replaced by sturdily constructed facades, and the crowd of 400 has swelled to a two-day throng of more than 120,000.

Eight themed facades, designed and constructed by students, will house this year's student-performed plays. Other Thurtene traditions will continue, including 18 major rides, 16 game booths and 15 booths serving an array of food.

There is no admission fee, although tickets must be purchased for rides and plays.

Proceeds from this year's event will benefit Youth In Need, a local charity. Since its founding in 1974, the vision of Youth In Need has been the same: to be the leader and driving force in making children's healthy development and well-being the community's highest priority, particularly for those who face adversity.

The week preceding the carnival, affectionately dubbed "Lot

Week," receives recognition from the state of Missouri through an official declaration from the governor as "Thurtene Carnival Week." The week includes students working around the clock to raise facades and practice plays.

As always, the Thurtene Honorary will present awards at the conclusion of the carnival for best production, the Buckley award for best construction of a facade, best food and best game booth. Also to be awarded are the prestigious Chancellor's Charity Cup, for the highest donation to charity, and the most-coveted Burmeister Cup, for best overall participation in the carnival.

Ackerman Toyota is the official corporate sponsor of this year's carnival.

Members of Thurtene Junior Honorary 2004 are: Kevin Rollag, Stacey Cutler, Seth Locke, Andrew Halket, Zoey Glick, David Hill, Ozzie Goodwin III, Jessica Long, Lauren Harte, David Hinderaker, Zack Friedman, Trecia Buckner and Stephanie Taylor.

Jim Burmeister, executive director of University relations and Commencement, continues his longstanding role as Thurtene's adviser.

For more information, go online to [thurtene.org](http://thurtene.org).

## Iranian author Nafisi to speak for Assembly Series

By BARBARA REA

As an antidote to being forced to cover themselves, being denied basic freedoms and living in fear of arrest, imprisonment and worse, they came together to read Nabokov, James, Fitzgerald and Austen.

"They" were Azar Nafisi, an Iranian professor, and several of her brightest female students, who secretly met once a week to find solace and insight through the Western classics.

The details of this harrowing time of being female in Iran during the Ayatollah Khomeini's Islamic revolution are documented in Nafisi's memoir *Reading Lolita in Tehran: A Memoir in Books*, which she will discuss at 11 a.m. April 14 in Graham Chapel for the Assembly Series. Her talk will serve as the annual Adele Starbird Lecture, which is sponsored by The Women's Society of Washington University.

In 1995, Nafisi refused to obey the new edict from Islamic fundamentalists to wear the veil and lost her teaching position at the University of Tehran as a result.

Despite the threat of prison, she opened her home to seven of her best female students where, once a week, they shed their veils and brought light into their minds and hearts with texts showing the power of art and its ability to transform lives. These experiences form the centerpiece of her story, which was published in 2003.

Woven into the memoir are illuminations on the works of authors that helped Nafisi and her students through their ordeal.

*Publishers Weekly* described her book as one that "transcends categorization as memoir, literary criticism or social history, though it is superb as all three ... Nafisi has produced an original work on the relationship between life and literature."

Nafisi left Iran and immigrated with her family to the United States in 1997. She is a visiting professor and the director of the Dialogue Project at the Foreign Policy Institute of Johns Hopkins University's School of Advanced International Studies.

Before leaving her native country, she taught at the University of Tehran, the Free Islamic University and Allameh Tabataba'i.

Her talk is free and open to the public. For more information, call 935-5285 or go online to [assemblyseries.wustl.edu](http://assemblyseries.wustl.edu).

## Author Williams to speak on craft of fiction April 15

Joy Williams, the visiting Fannie Hurst Professor of Creative Literature in the Department of English in Arts & Sciences, will give a talk on the craft of fiction at 8 p.m. April 15 in Hurst Lounge, Duncker Hall, Room 201.

The talk, which is free and open to the public, is part of the Spring Reading Series 2004, sponsored by the English department and The Writing Program in Arts & Sciences.

Williams is the author of two collections of stories, *Escapes* and *Taking Care*, and four novels, most recently *The Quick and the Dead*. Other novels include *State of Grace* and *The Changeling*. She has also published *Ill Nature*, a collection of essays, and the non-fiction book *The Florida Keys: A History and Guide*.

Fiction writer Marshall Klimasewski, assistant professor of English, said of Williams' work: "Who else has glowing blurbs on her books from writers as different from one another as Raymond Carver, Brett Easton Ellis, Ann Beattie, Don DeLillo and Truman Capote?"

"In 1973, with her very first novel, George Plimpton was saying she 'towers over most contemporary fiction.' In 1988, Harold Brodkey said, 'To put it simply, Joy Williams is the most gifted writer of her generation.' And in 2000, William Gass said, 'Joy Williams is now the best at her business.'"

"She's an amazing writer, one sentence to the next and one book to the next, and a consummate artist, entirely unique — and she has been for the last 30 years."

Williams' stories and essays appear frequently in such publications as *The Paris Review* and *The New Yorker*. Her honors include the Academy-Institute Award in Literature from the American Academy of Arts and Letters, a National Magazine Award for Fiction and fellowships from the National Endowment for the Arts and the Guggenheim Foundation.

A reception and book-signing will follow the talk, and Williams' books will be available for purchase. For more information, call 935-7130.

## Clarinetist Silfies to return to University

The Department of Music in Arts & Sciences will present a chamber music concert featuring former faculty member George Silfies, principal clarinetist with the Saint Louis Symphony Orchestra, at 8 p.m. April 12 in the auditorium of Uncas A. Whitaker Hall for Biomedical Engineering.

Silfies, who is retiring after 34 years with the Saint Louis Symphony Orchestra, came to St. Louis after teaching at the Peabody Conservatory and serving as principal clarinetist with the Baltimore Symphony.

From 1972-76, he served as conductor of the Washington University Symphony Orchestra, a position held by Leonard Slatkin from 1969-1972. While on campus, Silfies also taught clarinet as a visiting assistant profes-

sor of music and conducted the Washington University Chamber Orchestra.

Silfies will be the featured soloist in a performance of Carl Maria von Weber's *Quintet for Clarinet and Strings*, a showpiece for the clarinet, for which he will be joined by cellist Elizabeth Macdonald, director of strings at the University; and Hugh Macdonald, Ph.D., the Avis Blewett Professor of Music.

The program will also feature three of Silfies' colleagues from the Saint Louis Symphony Orchestra — violist Mike Chen and violinists Asako Kuboki and Mark Thayer — in a performance of Mozart's *Quintet for Strings in B-flat Major, K. 174*.

The concert is free and open to the public. For more information, call 935-4841.

## On Stage

### Friday, April 16

8 p.m. **Performing Arts Department Production.** *The Good Person of Szechwan*. William Whitaker, dir. (Also 8 p.m. April 17, 23, & 24, and 2 p.m. April 18 & 25.) Cost: \$12, \$8 for seniors, WUSTL faculty, staff & students. Edison Theatre. 935-6543.

## Sports

### Friday, April 9

4 p.m. **Softball vs. Westminster College.** WUSTL Field. 935-4705.

### Tuesday, April 13

4 p.m. **Women's Tennis vs. McKendree College.** Tao Tennis Center. 935-4705.

### Wednesday, April 14

4 p.m. **Men's Tennis vs. McKendree College.** Tao Tennis Center. 935-4705.

### Sunday, April 18

1 p.m. **Baseball vs. DePauw U.** Kelly Field. 935-4705.

### Tuesday, April 20

5 p.m. **Women's Tennis vs. Principia College.** Tao Tennis Center. 935-4705.

### Thursday, April 22

4 p.m. **Softball vs. Illinois College.** WUSTL Field. 935-4705.

## Worship

### Friday, April 9

7 p.m. **Catholic Good Friday Service.** Graham Chapel. 935-9191.

### Saturday, April 10

7:30 p.m. **Catholic Holy Saturday Easter Vigil Mass.** Graham Chapel. 935-9191.

### Sunday, April 11

11 a.m. **Catholic Easter Sunday Mass.** Graham Chapel. 935-9191.

## And more...

### Wednesday, April 14

1:30-3:30 p.m. **Academic Publishing Services Workshop.** "Preparing Manuscripts for Publication." Ruth Kaufman, member, American Medical Writers Assn. Cost: \$50. Moore Aud., 660 S. Euclid Ave. To register: 362-4181.

### Friday, April 16

9:30 a.m.-12:30 p.m. **Symposium for Technology, Media, Design, Art and Theory: Critical Praxis for the Emerging Culture Film/Installation/Performance.** "Spatial Formations." Philip Walsh, historian, Northwestern U. Steinberg Hall Aud. 935-7721.

4 p.m. **Writing Program Fiction Reading.** Donald Antrim, novelist. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.

### Monday, April 19

8 p.m. **Fiction Reading.** Qui Xiaolong, author. Sponsored by The Center for the Humanities in Arts & Sciences. Anheuser-Busch Hall, Rm. 204. 935-5576.

## Campus Watch

The following incidents were reported to University Police **March 31-April 6**. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This information is provided as a public service to promote safety awareness and is available on the University Police Web site at [police.wustl.edu](http://police.wustl.edu).

### April 2

6:33 a.m. — A person reported that a small refrigerator, normally inside of the Sigma Alpha Epsilon fraternity house, was found outside and was damaged.

### April 4

5:15 a.m. — While on patrol, a University Police officer observed a parked vehicle with the door

locks punched and steering column broken. The vehicle had been reported stolen out of St. Louis County on April 1.

*Additionally, University Police responded to three reports of property damage, four larcenies, two reports of suspicious person, two motor vehicle thefts, and one report each of auto accident, fraud and alarm.*



## Rankings

**Biomedical engineering up two places to 14th**  
— from Page 1

faculty and extraordinary students," said Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine. "It is quite an honor that the School of Medicine has been ranked between such prestigious schools as Harvard and Johns Hopkins and — for the seventh-consecutive time — ranked No. 1 in student quality.

"We try not to attach too much importance to these rankings because they can't take all of a school's attributes into consideration, but I must say I am pleased. This acknowledgement helps the St. Louis region achieve deserved recognition as a center for life sciences education and research. I am especially grateful to our University leadership, Board of Trustees and patrons, who all have given the School of Medicine their generous support."

Individually, WUSTL's physical therapy program ranked second in the nation. Occupational therapy was third, and pediatrics and internal medicine both ranked seventh.

The drug and alcohol abuse and audiology programs were both tied for eighth, the geriatrics and women's health programs both tied for 15th and the AIDS program placed 17th.

GWB is in the same position that it was when social work rankings were last compiled, in 2000.

"This ranking is a great tribute to the faculty of the George War-

ren Brown School of Social Work, who have launched nationally recognized curriculum renovations in recent years," said Shanti K. Khinduka, Ph.D., GWB dean and the George Warren Brown Distinguished University Professor. "I'm delighted that our peers in social work education have again expressed such esteem for the quality of our program.

"Such recognition reinforces our resolve to remain a world-

**"This ranking is a great tribute to the faculty of the George Warren Brown School of Social Work, who have launched nationally recognized curriculum renovations in recent years.**

**... Such recognition reinforces our resolve to remain a world-class school of social work."**

SHANTI K. KHANDUKA

class school of social work."

The Department of Biomedical Engineering in the School of Engineering & Applied Science moved up two spots to 14th in the nation. The program, founded only in 1997, recently moved into a new, state-of-the-art research and teaching facility, Uncas A. Whitaker Hall for Biomedical Engineering.

Overall, the engineering school ranked 36th in the nation. The School of Law increased

five spots to a tie for 20th in the nation, with its clinical training program placing fourth, international law placing 15th and intellectual property law tied for 22nd.

"We are delighted that the hard work of so many at the School of Law has been recognized in the latest U.S. News & World Report rankings," said Dean Joel Seligman, J.D., the Ethan A.H. Shepley University Professor. "In the past five years, the school has progressed from 37th to 20th, and there has been increasing recognition of our specialty areas including clinical education, international law and intellectual property."

The Olin School of Business tied for 39th in the nation, with the executive master of business administration program ranked 14th, the part-time master of business administration ranked 12th and management tied for 24th.

The Department of Education in Arts & Sciences tied for 55th among schools of education. The department is one of two ranked in the category of schools of education.

The 2005 edition of the book *America's Best Graduate Schools* hit newsstands April 5. Many of the ranking categories will also appear in the April 12 edition of U.S. News & World Report, the weekly newsmagazine, which goes on sale that same day.

A complete set of WUSTL rankings has been prepared from U.S. News & World Report data and is available online at [newsinfo.wustl.edu/rankings](http://newsinfo.wustl.edu/rankings). This review sheet includes the most recent rankings conducted for each area.

U.S. News does not rank every category every year, and some rankings date back as far as 1997.

## Stella keynote address to highlight wealth of groundbreaking events

BY LIAM OTTEN

A keynote address by internationally acclaimed artist Frank Stella will highlight a wealth of events surrounding the groundbreaking of the Sam Fox Arts Center.

Stella, along with Sam Fox Arts Center architect Fumihiko Maki, will speak at 4 p.m. April 14 at the groundbreaking site, just north of Steinberg Hall. A reception will immediately follow.

The event is free and open to the University community, but space is limited and reservations are required. To make a reservation, call (866) 784-4600 or e-mail [sfac@wustl.edu](mailto:sfac@wustl.edu).

At 4 p.m. April 13, the Sam Fox Arts Center and the Olin School of Business' Real Estate Club will host a panel discussion on "Arts as a Catalyst for Urban Renewal" in Simon Hall, Room 112. Robert Duffy, architecture critic for the *St. Louis Post-Dispatch*, will moderate the discussion.

Panelists will include Vincent Schoemehl, president and chief executive officer of Grand Center Inc. and former mayor of St. Louis; Robert Freedman, vice chairman of the board and president of Brokerage & Corporate Services for GVA Williams Real Estate, New York; and theatrical producer David Mirvish, owner of The Royal Alexandra Theatre and The Princess of Wales Theatre, both in Toronto.

On April 14, the Department of Art History and Archaeology in Arts & Sciences will present a series of "art history open classrooms."

Participating classes include Associate Professor Angela Miller's "The American West" at 10 a.m. and Assistant Professor Gwen Bennett's "Korea and Japan" at 2:30 p.m., both in Steinberg Hall, Room 200.

From 1-4 p.m., the School of Art's Island Press and painting and printmaking major areas will present an open house in Bixby Hall.

Art & Architecture Library tours will be held at 11 a.m. and 2 p.m.

At 2 p.m. the School of Architecture will host a pair of book-signings in Givens Hall: Maki will sign copies of his recently re-issued *Investigation In Collective Forms*, while Eric Mumford, associate professor of architecture, will sign copies of *Modern Architecture in St. Louis, 1948-1973*.

St. Louis Osuwa Taiko will present a Japanese drum performance at 3:15 p.m. adjacent to the groundbreaking site.

From 6-8 p.m. that evening, the School of Art's *MFA First-Year Exhibition* will open at the Des Lee Gallery, 1627 Washington Ave.

The open classrooms will resume April 15 in Steinberg Auditorium. Participating classes include Professor Sarantis Symeonoglou's "Homeric Archaeology" at 10 a.m.; Assistant Professor Rebecca de Roo's "Introduction to Modern Art" at 11:30 a.m.; and Bennett's "Introduction to Asian Art" at 1 p.m.

The open classes will end with "Illustrated Entertainment," taught by Miller and D.B. Dowd, associate professor of art, at 2:30 p.m.

## Brent

**One-fourth of human genome shared with rats**  
— from Page 1

its role as a research resource.

Three-way comparisons with the human and mouse genomes will help to resolve details of mammalian evolution.

"The sequencing of the rat genome constitutes another major milestone in our effort to expand our knowledge of the human genome," said NHGRI Director Francis S. Collins, M.D., Ph.D. "As we build upon the foundation laid by the Human Genome Project, it's become clear that comparing the human genome with those of other organisms is the most powerful tool available to understand the complex genomic components involved in human health and disease."

According to Brent, results from the study show that the change from the last common ancestor of rodents and humans has occurred much faster along

the rodent branch than change along the human branch. Also, the study finds that approximately one-fourth of the human genome is shared with both rats and mice.

That's approximately 825 non-repetitive megabases of DNA shared by all three animals.

"It's surprising that the amount of shared DNA is so small," Brent said.

Relative to their last common ancestor, the rodent lineage has mutated more than the human lineage, Brent pointed out, while analysis of the human genome reveals significantly more segmental duplication — a biological process whereby a large piece of the genome is copied in small numbers. Segmental duplications are one of the key things that differentiate the human genome from that of chimpanzees, and may contribute to the physical and behavioral difference between the two species.

Rodent mutation is due to various different factors, an obvious one being generation time — they reproduce faster than humans. The results of the analy-

sis show that the rat has mutated slightly more frequently than the mouse from the last common ancestor.

"It's not clear how to explain that, because they both have the same generation time," Brent said.

Results also show there is nearly two times more mutation in the brown rat male germ line than the female germ line, perhaps because there are more cell divisions along the path to making a sperm than the path to making an egg, and thus more chance for error.

Females carry two X chromosomes and males one. The study finds less mutation in the X chromosome than in chromosomes equally divided between males and females.

The study found the rat genome contains similar numbers of genes to the human and mouse genomes, but at 2.75 gigabases (Gb) is smaller than the human's (2.9 Gb) and slightly larger than the mouse's (2.6 Gb).

Almost all human genes known to be associated with diseases have counterparts in the rat genome and appear highly conserved through mammalian evolution. A selected few families of genes have been expanded in the rat, including smell receptors and genes for dealing with toxins, and these give clues to the distinctive physiology of the species.

Examples of use of the rat in human medical research include surgery, transplantation, cancer, diabetes, psychiatric disorders (including behavioral intervention and addiction), neural regeneration, wound and bone healing, motion sickness and cardiovascular disease.

Researchers at Baylor have now undertaken the genomes of the honeybee and sea urchin and are working on bovine and rhesus macaque projects. Like the rat, each will lead to a high quality genome draft sequence.

With advances in genome technologies, it is likely that genomes from many different species can be analyzed in the next three years.

## Museum

— from Page 1

An additional \$3 million is provided by the William T. Kemper Foundation, which was established in 1989 after the death of James' uncle, William T. Kemper.

Mildred Lane Kemper graduated from Wellesley College and was a longtime resident of Kansas City, Mo. She was a trustee of Wellesley College for many years and had a lifelong interest in higher education.

The Mildred Lane Kemper Chair in Art History at Wellesley is held by Lilian Armstrong.

"Our family and foundation are delighted to honor my mother by naming the new art museum at Washington University," David Kemper said. "She would be very pleased that this beautiful building will be both a place to display great art and a gathering spot for the University and the St. Louis community."

The Kemper Art Museum is the centerpiece of the five-building Sam Fox Arts Center, which also includes Steinberg Hall, Maki's first commission and current home of the Gallery of Art; Bixby and Givens halls, the recently renovated, Beaux Arts-era homes to the schools of Art and Architecture, respectively; and the new, Maki-designed Earl E. and Myrtle E. Walker Hall, a 38,000-square-foot studio facility replacing the School of Art's off-campus Lewis Center.

The Kemper Art Museum will feature more than 10,000 square feet of exhibition space, as well as offices and storage facilities. The building will also include an outdoor sculpture garden; a gallery for use by faculty and students; the 3,000-square-foot Newman Money Museum; offices and classrooms for the Department of Art History & Archaeology in Arts & Sciences; and the 13,000-square-foot Kenneth and Nancy Kranzberg Information Center.

"We are literally transforming the traditional approach to studying the visual arts," said Mark S. Weil, Ph.D., the E. Desmond Lee Professor for Collaboration in the Arts and director of both the Kemper Art Museum and the Sam Fox Arts Center. "For the first time in our history, students and faculty from across the University's visual arts and design programs will be able to work alongside one another in a single, central location."

Construction of both the Kemper Art Museum and Walker Hall will begin immediately following Commencement May 21 and is scheduled to last 18-24 months. New facilities will open in spring 2006.

To date, the University has accumulated resources totaling \$53.4 million in gifts, commitments and allocations, leaving \$3.4 million to be raised.

The University's art collection was founded in 1881 as part of the St. Louis School and Museum of Fine Arts. Beginning in 1906, the collection was housed largely at the Saint Louis Art Museum, but

returned to campus with the opening of Steinberg Hall in 1960.

Today, the collection encompasses some 3,000 objects. The strongest areas are in 19th- and 20th-century European and American art, including a substantial modern collection built in the mid-1940s by famed art historian H.W. Janson.

Other major holdings include two Egyptian mummies, several Greek vases and the Wulff Collection of approximately 14,000 Greek, Roman and Byzantine coins, as well as a large number of prints, drawings and photographs.

The William T. Kemper Foundation is dedicated to continuing William Kemper's lifelong interest in improving the human condition and quality of life. The foundation supports Midwest communities and concentrates on initiatives in education, health and human services, civic improvements and the arts.



Mildred Lane Kemper

## Arthur

— from Page 2

installation occurred in Uncas A. Whitaker Hall for Biomedical Engineering. He is truly an inspiration to us all."

From 2002-03, he was interim chair of the Department of Electrical Engineering and is now the interim chair of the newly formed Department of Electrical and Systems Engineering. During that period, faculty in the Computer Engineering Program in electrical engineering moved to the new Department of Computer Science and Engineering, and electrical engineering was merged with systems science and mathematics to form the Department of Electrical and Systems

Engineering.

Arthur has been a researcher for more than 35 years. He is responsible for more than 60 articles, five book chapters and many conference presentations.

He has developed 12 new courses, including graduate-level offerings on the foundations of bioengineering, hospital electrical systems, biophysical measurements, principles of clinical engineering, quantitative image processing, multidimensional signal processing and principles of ultrasonic imaging.

Arthur is a fellow of the American Institute for Medical and Biological Engineering, a senior member of the Institute of Electrical and Electronics Engineers and a registered engineer in the state of Missouri.



## Notables

### Engineering school alumni to be honored at banquet

By TONY FITZPATRICK

The School of Engineering & Applied Science will present five Alumni Achievement Awards at its annual Engineering Alumni Awards banquet April 15 at The Ritz-Carlton St. Louis.

The school will also present its Dean's Award to **Allen R. Atkins** in recognition of his professional achievements in the aerospace industry, and especially for his pivotal role in the Boeing/Washington University Graduate Engineering Education and Research Partnership.

Atkins is executive general manager for technology acquisition and university relations at Boeing's St. Louis-based Phantom Works. He also chairs Boeing's Historically Black Colleges and Universities/Minority Institutes Committee, and is a member of the engineering school's national council.

Atkins has been instrumental in bringing together Boeing engineers and engineering school professors and graduate students to collaborate on research projects since the partnership's inception in 1998.

#### Alumni Achievement Award recipients

**Joseph F. Boston**, a 1959 chemical engineering alumnus, will be honored for his wide-ranging accomplishments in computer-aided chemical engineering and the role he played in making Aspen Technology Inc. the success it is today.

In 1977, he joined the Advanced System for Processing Engineering (ASPEN) Project at Massachusetts Institute of Technology as associate project manager. The ASPEN Project's charter was to develop the next-generation software system for computer-aided process engineering.

When the ASPEN Project was completed in 1981, Boston helped found Aspen Technology Inc. to commercialize ASPEN software. The company has grown from an eight-person startup to a successful public company with nearly 2,000 employees.

**Joseph C. Moquin**, a 1949 industrial engineering alumnus, will be honored for his 30 years of service to Teledyne Brown and his leadership in bringing his company's engineering and manufacturing expertise to our country's defense and space programs.

In 1952, Moquin joined the Army's Ordnance Management Engineering Program at Rock Island Arsenal and later became chief civilian in the control office.

In 1959, Moquin joined Brown Engineering (later Teledyne). During this time, Teledyne Brown performed systems engineering and advanced technology studies for the Strategic Defense Initiative;

designed and manufactured flight hardware for NASA; and designed and manufactured electronic systems and developed software for the military.

**Robert L. Mullenger**, a 1989 electrical engineering graduate, will be honored with the Young Alumni Award for advancements he has brought to the technical workplace, particularly methodologies he has developed for Internet-based procurement and collaboration processes.

In 1999, Mullenger left Exxon-Mobil and joined an Internet company founded by two of his ExxonMobil colleagues as a product manager. In June 2000, he led the release of the first Web-based equipment marketplace for the petrochemical industry.

He now is a senior product-marketing manager for San Jose-based Neoforma Inc., a leading provider of supply-chain management solutions to the health care industry.

**David J. Rossetti**, a 1974 applied mathematics and computer science alumnus, will be honored for his pioneering work in computer architecture and software development for Geographic Information Systems and Internet Operating Systems, and for his extensive community service.

At Amdahl Corp., Rossetti was the architect of performance-evaluation components for the first Amdahl mainframe. At the IBM San Jose Research Lab, he demonstrated that relational databases could perform at least as well as hierarchical databases.

He now leads Cisco Systems' Technology Center, fostering new technologies such as airliner and vehicle Internet connectivity, and is working to move the company toward new areas such as solutions to the Internet spam problem.

**Anthony Thompson**, a 1999 construction management graduate, will be honored for his achievement in construction and project management, his advocacy of minority- and female-owned businesses, and the leadership and service he gives to St. Louis.

In 1994, Thompson formed Kwame Building Group Inc., which provides services such as budgeting, scheduling, cost control, construction and project management, contract and claims administration, estimating, project planning and value engineering.

With headquarters in Clayton and offices in Orlando and Jacksonville, Fla., Kwame now has 80 employees.

Thompson is active in his community and has received numerous awards, including the 2003 Spirit of St. Louis Award.

The awards banquet will begin at 6 p.m. For more information, call Charla Bruce at 935-4894.



**Celebrating 30 years as dean** On April 3, faculty, staff, students and alumni from the George Warren Brown School of Social Work joined Chancellor Mark S. Wrighton and other distinguished guests from the University community in honoring Shanti K. Khinduka, Ph.D. (right), for his unprecedented success and effective leadership during his 30 years as GWB dean. Also present at the tribute, held at the Sheldon in Grand Center, were Khinduka's family members, including his wife of nearly 50 years, Manorama, and colleagues from social work schools around the country. After a sabbatical, Khinduka will continue as the George Warren Brown Distinguished University Professor.

### Chimp study one of the top science stories of last year

By SUSAN KILLENBERG MCGINN

A Congo field study of chimps by Crickette Sanz, a doctoral candidate in anthropology in Arts & Sciences, ranked No. 24 in *Discover* magazine's guide to the top 100 science stories of 2003.

As reported in the May 2, 2003, *Record*, Sanz and Dave Morgan, a field researcher with the Wildlife Conservation Society, spent 365 hours between February 1999-June 2001 observ-

ing chimpanzees in a remote forest in the northern Republic of Congo.

Their study "offers a glimpse of an extreme rarity in the modern world: chimpanzees that have had little or no previous contact with people," according to the January 2004 issue of *Discover*.

Sanz and her adviser, Robert W. Sussman, Ph.D., professor of anthropology, are quoted in the article.

Sanz and Sussman also appeared in a British Broadcasting Corp. television program called *Horizon*, a 50-minute science documentary series. The two are interviewed in the show titled "The Demonic Ape," which first aired in January and features Jane Goodall, the world's foremost authority on chimpanzees.

The show's narrator says Sanz's research in the Goualogo Triangle in the Congo "could call in to question some of the obser-

vations made over the past four decades" at Goodall's research site at Gombe National Park in East Africa — in particular the demonic male theory.

"The chimpanzees of the Goualogo are like those at Gombe: They too use tools, and they have their own culture," the narrator continues. "But there is one crucial difference: They are not as aggressive."

Sanz says in "The Demonic Ape," "So far, we haven't seen any abnormal levels of aggression. We've never seen chimps killing other chimps. We haven't seen highly elevated territorial disputes. If I had to guess, I wouldn't expect to see it."

Sussman adds: "I think the demonic male hypothesis is basically a speculative idea about how the relationship between chimpanzee and human behavior might have evolved. And I think it's actually wrong."

### Carnaghi receives excellence award

By NEIL SCHOENHERR

Jill Carnaghi, Ph.D., director of campus life and assistant vice chancellor for students, has received the 2004 Excellence in Practice Award from the American College Personnel Association.

The award is presented annually to a student affairs practitioner whose designs and program implementations, as well as services for his or her campus, are based on the best national practices in student affairs.

The award was presented at the association's annual meeting April 1-5.

"I am incredibly honored and very humbled to receive this award," Carnaghi said. "It recognizes

much more than just the work I have done. I would not be able to accomplish much without the support of the wonderful students and colleagues I work with every day.

"Receiving an award like this also takes the help of a very pro-student administration, like we have here. That doesn't happen everywhere."

Carnaghi has been at the University since 1997. Her areas of responsibility emphasize co-curricular activities for students. She works closely with staff in the Office of Student Activities, Student Educational Service, event services, *Student Life*, the Greek life office and the associate dean of students. She also serves as adviser to Student Union.

Carnaghi came to the University from the University of Vermont, where she was director of residential life from 1991-97. She earned a doctorate in higher education administration from Indiana University.



Carnaghi

## Obituary

### Lipkin, former chemistry chair; 91

By TONY FITZPATRICK

David Lipkin, Ph.D., the Eliot Professor Emeritus of Chemistry in Arts & Sciences, died Wednesday, March 31, 2004, in San Jose, Calif., of complications from a fall. He was 91.

Lipkin served as chair of the Department of Chemistry from 1964-1970. He retired in 1981.

Born Jan. 30, 1913, he earned a bachelor's degree in chemistry at the University of Pennsylvania in 1934 and a doctorate from the University of California, Berkeley, in 1939.

With the outbreak of World War II, Lipkin, Joseph Kennedy, Arthur Wahl and Samuel Weissman were among the first to arrive at Los Alamos, N.M., and worked closely on the Manhattan Project. They were joined a few months later by Lindsay Helmholz.

In October 1945, Kennedy was successfully recruited from Los Alamos to chair and build the chemistry department at Washington University. By early December, Lipkin, Helmholz, Weissman, Wahl and Herbert Potratz, another chemist, were all invited to join the faculty for the spring 1946 semester.

Lipkin made a very important contribution to the atomic bomb that fell on Nagasaki on Aug. 9,

1945. The second bomb to fall on Japan was a plutonium bomb made of a very active metal. Lipkin made a nickel-coated protective skin on the bomb to make sure that it didn't corrode before reaching the Pacific from the United States.

He worked on nucleic acids and on synthetic applications of aromatic hydrocarbon free radical anions.

He also demonstrated new ways in which rings of carbon atoms can be added to the hydrocarbon naphthalene. Naphthalene is a coal tar derivative used extensively in the manufacturing of dyes, moth balls and explosives. The goal of this research

was to synthesize steroids of interest to biochemists and biologists.

Lipkin developed new compounds and new ways of making known compounds, which opened doors not only in basic genetic research, but also in the fields of pharmacology and clinical medicine.

He was the first to synthesize cyclic AMP, a very important compound in biochemistry. His synthesis played a vital role in subsequent research by other scientists into the function of AMP in biology.

Lipkin is survived by his wife, Silvia, and sons, Jeffrey and Edward.



Lipkin

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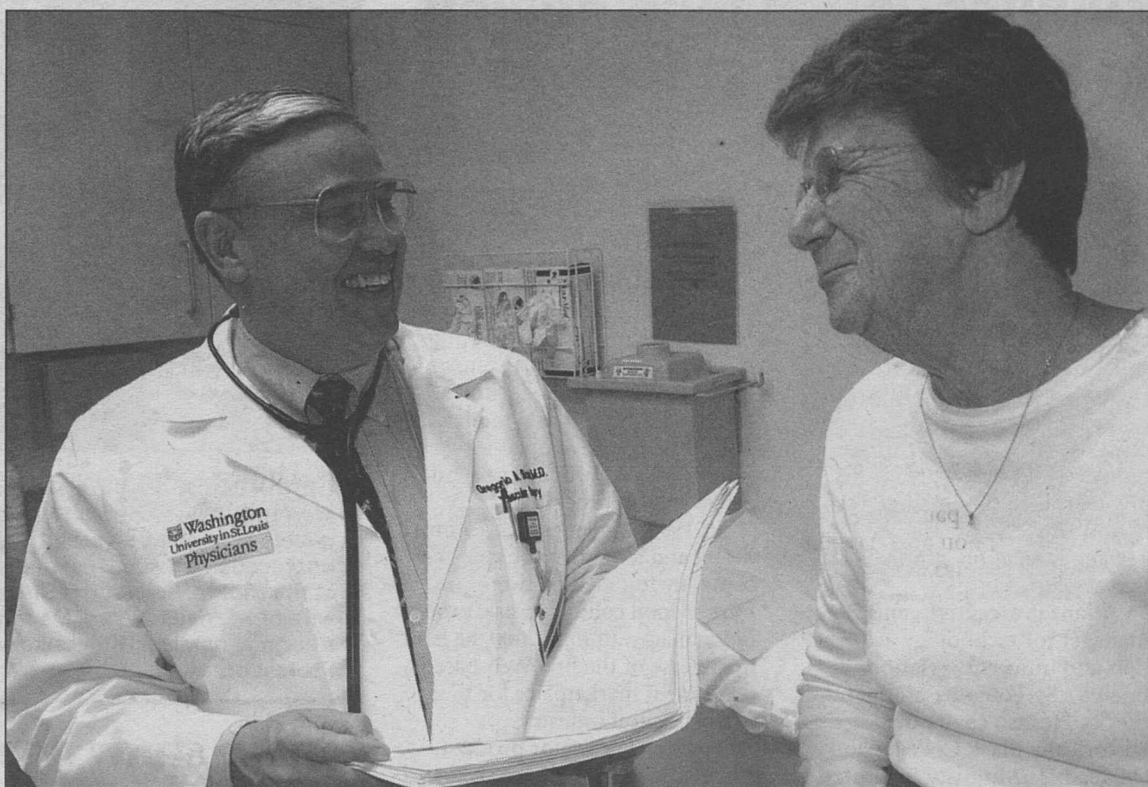
## Washington People

**W**ith a Dominican heritage, a childhood spent in Puerto Rico and a primarily American education, it's no surprise Gregorio A. Sicard, M.D., craves variety, both in his professional and personal life.

Having spent more than 30 years at the School of Medicine and Barnes-Jewish Hospital, Sicard has been at the Medical Campus longer than almost any other surgery faculty member. But his life is anything but stagnant.

With a range of hobbies, a wife of 40 years, four children, two grandchildren (and one on the way) and a wide array of responsibilities at the School of Medicine, Sicard has filled his life with the two things he loves most: diversity and community.

As the vice chairman of the Department of Surgery and chief of the Division of General Surgery and the Section of Vascular Surgery, Sicard's dedication makes him a superb clinician, leader and friend, explains Timothy J. Eberlein, M.D., the Bixby Professor and chair of the surgery department.



Gregorio Sicard, M.D., reviews vascular patient Geraldine Gehr's chart during a routine checkup. "Greg's been instrumental in developing vascular surgery from the very beginning, and his exuberance for the field and his love for life are infectious," says former fellow Michael Freeman, M.D.

## A craving for challenges

Gregorio A. Sicard loves the edge of vascular surgery

BY GILA Z. RECKESS

"Greg, in my view, embodies all of the wonderful qualities of Washington University," says Eberlein, whose first appointment as head of surgery was to choose Sicard to lead the Division of General Surgery. "He's the busiest surgeon in the department, but he always thinks of the institution and tries to do the right thing without having a hidden agenda."

"He is very smart and devoted and has a can-do, selfless attitude that helps him get along with everybody. My only complaint is that there's only one of him."

### His father's footsteps

The son of the town surgeon in a small, rural community outside Ponce, Puerto Rico, Sicard never imagined he'd follow in his father's footsteps.

Back then, surgeons made house calls, knew everyone in town and treated almost every type of disease. Sicard was fascinated with his father's work, but the irregular and unending hours weren't appealing.

His parents divorced when Sicard was 5, and his mother moved to New York. With his father's unpredictable and demanding surgery schedule, Sicard was raised primarily by his paternal grandmother and aunt.

Even as a young boy, Sicard was determined to choose a lifestyle that would allow him to spend more time with his family. So, when he and his brother went to boarding school at St. Louis Chaminade College Preparatory School, a sister institution of a Catholic school in Ponce, Sicard focused his high-school studies on chemistry.

He then became a biochemistry major at Saint Louis University and, after graduating in 1965, he

settled into a job at Sigma Chemical Co. in St. Louis.

While at Sigma, Sicard had a surprising revelation: He didn't mind working long hours as long as he enjoyed his work. Suddenly, medicine no longer seemed like an implausible option.

From the first surgery he watched at age 6 to his studies and career in chemistry, Sicard was always fascinated by the clinical application of basic science. When his father sensed his shifting interests and offered to support him through medical school, Sicard couldn't resist.

"My father felt education was the most important thing in the world," Sicard explains. "He used to say that whatever he gave me education-wise, no one could take away. I've tried to pass on that same message to my children."

Sicard not only followed his father into medicine, he also followed him into surgery. But times — and medicine — have changed, and the community Sicard serves is quite different than his father's.

Unlike the small, rural town of his youth, Sicard thrives on the excitement and diversity afforded by an academic medical institution like the University.

"It's fun to be a part of an institution like this, where there are so many great people and such medical excellence," Sicard says. "With the progression of medicine and surgery, we now have the tools and innovation to make a huge impact."

"This institution has always effectively translated great research into clinical advances, which is key for making such contributions to the field. I'm very grateful to be part of something that's unique."

### A hunger for variety

In his long tenure at the School of Medicine and Barnes-Jewish Hospital, Sicard has seen — and taken part in — the evolution of surgery. As he progressed through surgical training and the beginning of his career, the field began to shift from surgery generalists, who performed almost every type of procedure, to increasingly focused subspecialists.

Staying on the edge of surgical innovation has helped Sicard feed his hunger for variety.

At the end of his general surgery residency, physicians at the Medical Campus began perform-

ing one of the most innovative surgical procedures of the time: organ transplantation.

"Transplant caught my attention because it was so new; there was a lot of opportunity to make a real contribution to the field," Sicard explains. "I've also always enjoyed people and the family atmosphere, and because transplant patients are chronically ill, you get to know them and their families really well."

He also liked the fact that transplant surgeons still performed other surgical procedures and, in particular, that transplantation went hand-in-hand with his other primary surgical interest, vascular disease.

By 1983, it had become clear that both transplant and vascular surgery had grown into separate, full-blown specialties. So Sicard and his mentor and then-colleague Charlie Anderson, M.D., divided the two. Anderson led the transplant service; Sicard led vascular surgery, which fits his personality perfectly.

"Vascular surgery is exciting because not only are there a lot of different types of operations, but there's also often unexpected things that happen during a given procedure," Sicard says. "You have to be innovative, think fast and make quick decisions."

Since 1983, which coincidentally also was the first year certification in vascular surgery became available, the vascular surgery service has grown under Sicard's leadership, from performing fewer than 300 cases per year to almost 2,500 cases.

Never content without new challenges, Sicard started to feel restless about a decade ago. But a fortuitously timed encounter in Argentina with fellow Hispanic surgeon Juan C. Parodi, M.D., re-energized him.

Instead of opening a patient's abdomen to fix a diseased and weakened blood vessel, Parodi had developed a way to repair the vessel via two small incisions in the groin.

He showed a video of the procedure to Sicard, who immediately knew that this would revolutionize vascular surgery. Sicard convinced Parodi to join his St. Louis team, and Parodi soon became a professor of surgery in the School of Medicine.

Together, they've built one of the largest minimally invasive vascular surgery groups in the country.

"It's been a wonderful ride," Sicard says. "The word 'surgery' used to sound scary and painful; now we're able to do the same things with minimal pain. It's been

very exciting to see that progression in the field and know we now have the tools and innovations to make such a big impact."

Maintaining his division's status and reputation isn't easy, but it's yet another challenge Sicard eagerly embraces. Training new generations of surgeons and dealing with his administrative duties as head of vascular and general surgery provide him with a satisfying sense of community.

Sicard's national peers most recently recognized his collegial and effective leadership qualities by choosing him as the next president of the Society of Vascular Surgery.

"Greg is not only the consummate surgeon, he also is a wonderful mentor," says Michael Freeman, M.D., a former fellow of Sicard's and now chief of the Division of Vascular Surgery at the University of Tennessee. "He's been instrumental in developing vascular surgery from the very beginning, and his exuberance for the field and his love for life are infectious."

While innovations in surgery keep Sicard active in the operating room, there's also plenty to keep him busy outside the office. In addition to his own personal pastimes — including an insatiable love of fiction, a monthly poker game, watching sports and learning golf — three of his four children have settled in St. Louis.

Unfortunate timing and unavoidable travel kept Sicard from witnessing the birth of his two first children, Jane and Melissa, but he vowed to make it up to them.

And he has. Not only was he in the room for the birth of each daughter's first child, he and his wife, Kathleen, spend their free time helping care for the two girls, both who are now 6.

"I've learned that in everything you do, you should do the best you can," Sicard says. "But you can't always be the champion, so it's also important to have fun, be happy and continue trying to improve."

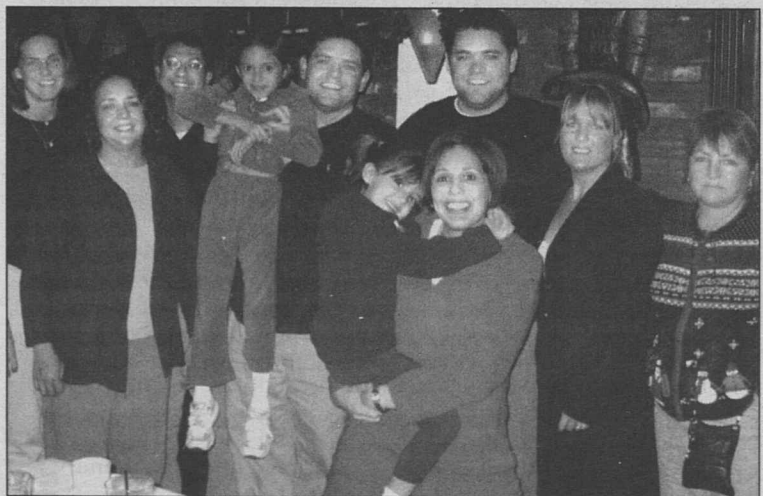
### Gregorio A. Sicard

**University titles:** Professor of surgery and of radiology, chief of the Section of Vascular Surgery, chief of the Division of General Surgery, vice chairman of the Department of Surgery

**Family:** Wife, Kathleen; children, Jane, Melissa, Gregorio Jr. and Michael; grandchildren, Madeleine and Gabriella

**Education:** B.S., Saint Louis University, 1965; M.D., University of Puerto Rico, 1972

**Hobbies:** Reading, pingpong, watching sports and golf



The extended Sicard family.